

Date: 11/11/21

Batch No: M119686

Supplier: THYSSSENKRUPP

Dart P/O: 15432

Packing Slip: Yes ☒ No ☐
Invoice: Yes ☐ No ☒
Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
Waybill Attached: Yes ☐ No ☒
Shipment Complete: Yes ☒ No ☐ N/A ☐
QC6 Inspection ☒ N/A ☐
Work Order Sutute/ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 11/11/21
Date [Signature]
Received/Costing [Signature]
Initial [Signature]

Location _____

INVOICE

RECEIVED NOV 23 2011

NO: PEC IV-586017

Date: 21Nov11

Due: 21Dec11

Sold By:

THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Remit to:

THYSSENKRUPP MATERIALS NA
c/o T27540
P.O. BOX 4275, POSTAL STATION 'A'
TORONTO, ONTARIO M5W 5V8

Sold To: (20115)

DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Shipped To: (1)

DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

=====

Shp Dt 21Nov11	Ord Dt 11Nov11	SO No ST-388968	B/L PEC 739887
Trm NET 30 DAYS/NET 30 JOURS	PO/Rel 15432		
Frnt PREPAID	Via VIM TRANSFER	FOB COMNCORD	
Slp STAN IVERS (905-532-1350)		Pbl	

=====

1 ALUMINUM SHEET 6061-0	1 PCS		
.0320 Nom X 48.0000" X 144.0000"			22 LBS
MATERIAL	1 PCS @	165.0000 EA	165.00 ✓
ENERGY & CAP SURCHG		25.0000 LOT	25.00
SKID		25.0000 LOT	25.00

=====

Interest will be charged at 1.5% per month or
18% per year on overdue accounts.

*** SALES DEPT. OFFICE HOURS ***

7:30 AM TO 5:00 PM - MONDAY TO FRIDAY

**** TEL. 800-926-2600 ****

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

TPS/GST TVH/HST 140223934 RT0001

TVQ - QST 1017327981 TQ0001

Material / Processing	Freight	Other	Taxes	TOTAL DUE
165.00		50.00	27.95	242.95

Taxes: ONHSTS 27.95

Page: 1 Last

ENTERED NOV 30 2011
PAID
DEC 21 2011
9917

Purchase Order Receipt Listing

Monday, November 21, 2011 7:30:37 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO15432 Receipt Dates from 11/21/2011 to 11/21/2011 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name			VC-COP001	Thyssenkrupp Materials CA Ltd							
PO15432	1		M60610S.032	sf	11/18/2011	11/21/2011	48.0000	\$3.44	0.0000	0	\$165.00
CAD	No		6061.0 SHEET .032	sf	48.0000	DESI02		\$165.00	0.0000	0	
			119686								
Total Received Quantity:											48.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$165.00
Total Balance Due Quantity:											0.0000

VC-COP001 Thyssenkrupp Materials CA Ltd

M60610S.032 sf
6061.0 SHEET .032 sf
119686

\$165.00

852

56

B I L L O F L A D I N G

No: PEC 739887

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 18Nov11 at 14:32 From PFW
Probill
Via VIM TRANSFER
FOB COMNCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-388968- 1 Your PO # 15432
ALUMINUM SHEET 6061-0
.0320 Nom X 48.0000" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
L03917A	10615	48.00 SFT	1	22

TOTAL:	Tags	PCS	LBS
	1	1	22

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Handwritten signature

TOTAL 1 SKID G.W. 172 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 1 Last

1 crate all

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTEES IMMÉDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Signature



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO15432

Purchase Order Date 11/11/11

PO Print Date 11/11/11

Page Number 1 of 1

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

CL
11/11/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M60610S.032	6061 0 SHEET .032	11/18/11 Yes	48.00 sf	Yours ppd	\$3.4375	\$165.00
		Special Inst: MATERIAL: 6061-0S ALUMINUM SHEET AS PER AMS-QQ-A-250/11 OR AMS 4025					
2	M304B0.375X03.000	M304 SS bar .375 x 3.00	11/18/11 Yes	12.00 f	Yours ppd	\$13.9500	\$167.40
		Special Inst: MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE					

PO Total:

\$332.40

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 11/11/11

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Material Certificate

Ship To Address CHARLESTON ALUMINUM

Sold To Address CHARLESTON ALUMINUM
480 FRONTAGE RD.



Novelis Order #: 66590403

Customer Part

Package #:

Coil #:

Product No:

Cust P.O.:

Mechanical Specifications:

Cash Date:

GASTON SC, 29053

081251P03

1020-ATL

ASTM B209-07, AMS-QC-A-250/11-97, AMS4025L

Processed Date: 7/31/2011 1:26:00 PM

Package Net Wgt: 8,796 LBS

Novelis Inc.

1 LAPPANS LANE

P.O. BOX 2000

KINGSTON, ON, K7L 4Z5

Test Results

Alloy
6061

Temp
0

Gauge
0.0320

Width
48

Length
5,177

Sample Location

Position

Test Degree

Tensile Gauge

Value UOM

BACK/ ID

ELONGATION 90 DEGREES

10.0000 %

BACK/ ID

ELONGATION 90 DEGREES

25.0000 %

BACK/ ID

ELONGATION 90 DEGREES

28.0000 %

BACK/ ID

TENSILE THICKNESS 90 DEGREES

0.0305 in

BACK/ ID

TENSILE THICKNESS 90 DEGREES

0.0307 in

BACK/ ID

TENSILE THICKNESS 90 DEGREES

0.0307 in

BACK/ ID

UTS 90 DEGREES

18.1600 ksi

BACK/ ID

UTS 90 DEGREES

38.0200 ksi

BACK/ ID

UTS 90 DEGREES

46.8000 ksi

BACK/ ID

UTS 90 DEGREES

12.0000 ksi

BACK/ ID

UTS 90 DEGREES

20.0800 ksi

BACK/ ID

UTS 90 DEGREES

42.8000 ksi

FRONT/ OD

ELONGATION 90 DEGREES

11.0000 %

FRONT/ OD

ELONGATION 90 DEGREES

26.0000 %

FRONT/ OD

TENSILE THICKNESS 90 DEGREES

0.0305 in

FRONT/ OD

TENSILE THICKNESS 90 DEGREES

0.0305 in

FRONT/ OD

TENSILE THICKNESS 90 DEGREES

0.0306 in

12mm

MEFLR01621

Material Certificate



NOVELLIS


FRONT/ OD	UTS 90 DEGREES	38.0600	Ksi
FRONT/ OD	UTS 90 DEGREES	46.9200	Ksi
FRONT/ OD	YTS 90 DEGREES	9.9400	Ksi
FRONT/ OD	YTS 90 DEGREES	20.3500	Ksi
FRONT/ OD	YTS 90 DEGREES	42.9100	Ksi

Chemical Composition(%)

SI	FE	CU	MN	MG	CR	NI	ZN	TI	BE	AL	EA	TT
0.5800	0.4800	0.2700	0.0100	0.9100	0.1600	0.0000	0.0100	0.0100	0.0000	97.5700	0.0000	0.0000

I Certify that the materials detailed herein have been tested and that documentary evidence of the test or release certificate is on file

Per


Process Leader

August 24, 2011

RE: Novellis coil L03917A/B

Aluminum Ingot cast in Canada
Hot rolling processes performed in USA
Cold rolling processes performed in Canada



Yemi Akangbe
Product Metallurgist

COPPER AND BRASS SALES**MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****1100 1350 3003 3004 3105 5005 5083 5086 5182 5454 6061 6063****"WARNING"**

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSIONPOTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUMARE IN CONTACT WITH CERTAINMETAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION- PROOF VENTILATION. KEEP MATERIAL DRY.

INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOUSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN; AND SKIN,TEETH,AND HAIR DISCOLORATION. CHRONIC OVEREXPOUSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO TIN DUST OR IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOUSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.

THIS PRODUCT ALSO CONTAINS LEAD AND CHROMIUM COMPOUNDS.LEAD IS KNOWN TO CAUSE REPRODUCTIVE TOXICITY AND IS A KNOWN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUME MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF INTHE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65). IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.READ THE ALUMINUM/ALUMINUM ALLOYS MATERIAL SAFETY DATA SHEET(MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

- * If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.
- * The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.
- * Aluminum, in solid form and as contained in finished products presents no special health risk.
- * Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

The Occupational Safety and Health Administration require employers to provide training in the proper use of this product.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone248-233-5600, or visit our web site @ www.copperandbrass.com.